

## PRODUCT DATA SHEET



### KT-01 ACE FIX

Ready to use tile adhesive for vitrified tiles and mosaic

#### PRODUCT DESCRIPTION

KT-01 Ace fix is grey cement based and polymer modified tile adhesive ready to use, Non shrink, self-curing, cementitious adhesives for bonding all types of internal & external floor & ceramic, mosaic.

C1T classified according to EN 12004

#### AREAS OF APPLICATION

- Walls & Floors
- Interior
- Dry Area
- Wet Area
- Shower
- Tile on Tile

#### CHARACTERISTICS AND ADVANTAGES

- Ready to use, only water to be added
- Better bond with cement substrate
- Fast setting and quick strength development
- Water Resistant & Easy Mixing
- Ready to use with less material wastage
- Required minimum thickness of 5 mm to be maintained using a notched trowel

#### SURFACE PREPARATION

All supporting surfaces shall be structurally sound, solid, stable, dry completely and cured well. They shall be clean and free of oil, dust, grease, paint, tar, wax, primers, sealers, curing agent, release agent or any deleterious substance and debris which may prevent or reduce adhesion. Repair all structural, fractionizing & perimeter joints present in the surfaces.

#### MIXING METHOD

Add KT-01 ACE FIX to clean water mix thoroughly until lump free mortar is obtained. A bag of 20 kg water will require approx. 5-6 litres of water to obtain lump free consistency. Do not attempt to extend the pot life by adding more water to the mix. Leave material to stand in container until the majority of bubbles have dispersed (minimum 5 minutes). Then remix the material for 15 seconds - the product is now ready for use.

#### APPLICATION METHOD

Use suitable notch trowel for required thickness of KT-01 Ace Fix adhesive. Leave no voids behind tiles, with pressure, apply a coat by using the trowel's flat side to key mortar into substrate. If adhesive is skinned over (not sticky) remove and replace with fresh adhesive or premix. If necessary, the substrate must be levelled prior to application. If the level is still not good enough, suitable levelling mortar must be used. For mosaic and vitrified tiles, use a notched trowel to obtain a minimum 5 mm average thickness. Apply a uniform layer of KT-01 Ace Fix by trowel in small areas. Immediately, adjust the thickness using the notched trowel. Finally, place the tile, pressing it firmly onto the mortar in twisting action.

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#### STANDARD COMPLIANCE/ SPECIFICATION

KT-01 ACE FIX Tile Adhesive complies to requirements of IS 15477 : 2019 - Type 1'T'

"Specification for Adhesives for use with Ceramic Tiles and Mosaics."

#### TECHNICAL INFORMATION

PERFORMANCE PROPERTIES AS PER IS 15477: 2019 (TYPE 1 'T')

Testing Properties	Requirement	Test Results
a) Tensile Adhesion at Dry Condition	$\geq 0.5 \text{ N/mm}^2$	$0.5 - 0.8 \text{ N/mm}^2$
b) Tensile Adhesion at Wet condition	-	-
c) Shear Adhesion at Dry Condition	$\geq 1.0 \text{ N/mm}^2$	$\geq 1.0 \text{ N/mm}^2$
d) Shear Adhesion at Wet condition	-	-
e) Shear Adhesion at Heat Ageing	-	-
f) Slip Resistance (T)	$\leq 0.5 \text{ mm}$	$0.3 - 0.5 \text{ mm}$

#### APPLICATION PROPERTIES

Testing Properties	Test Results
Tentative Mixing Ratio	3 : 1 by volume
(Powder: Water)	1 : 0.24 by weight
Bulk Density	1.30 - 1.35 GM/CC
Open Time (IS 15477: 2019)	Approx. 20 minutes
Adjustability (IS 15477: 2019)	Approx. 20 minutes
Pot Life	Approx. 120 minutes
Adhesive Thickness	3 - 6 mm

#### COVERAGE

Approx. 5 - 6 m<sup>2</sup>/ 20 kg Bag at 3 mm thickness

(using 6 mm x 6 mm notch).

#### PRECAUTIONS AND NOTE

- Always add powder to water.
- Do not add excess water than recommended.
- Never add sand & cement at site.
- Do not use on wet screed. Surface must be fully cured.
- Do not use the adhesive to correct surface irregularities greater than 15 mm.
- Protect from direct rainfall/ foot traffic for at least 24 hours.
- Leave gap between the tile & fill gaps with KT tile grout.
- Designer/ applicator must evaluate the use of an additional mechanical fastening system for extra security for more than 3m height (such as steel hooks fastened to the substrate).

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#### PACKAGING

20 kg bag

#### STORAGE AND STORAGE CONDITIONS/ SHELF LIFE

12 months from date of production if stored properly in original unopened, sealed and undamaged packaging in dry and cool conditions.

#### CLEANING OF TOOLS

Tools and containers may be cleaned using clean water when the adhesive is still fresh in other case the hardened adhesive can be removed from mechanical tools.

#### SAFETY PRECAUTIONS

Keep out of reach of children. Wear suitable protective clothing, gloves and eyes/face protection. After contact with skin, wash immediately with plenty of clean water. In case of contact with eyes rinse immediately with plenty of clean water and seek medical advice.

#### HEALTH AND SAFETY MEASURES

For more information and guidance of safety, storage and disposal of chemical products, customers should refer to the updated data sheet of the product which contains all the details of physical toxicological, ecological and other safety related data.

#### IMPORTANT NOTES

The information and in particular, the recommendations relating to the application and end-use of KT ADHESIVES products, are given in good faith based on KT ADHESIVES current knowledge and experience. The user of the product must test product's suitability for the intended application and purpose. KT ADHESIVES reserves the right to change the properties of its products. Users must always refer to the most issue of the local product data sheet for the product concerned, copies of which will be supplied on request.

RISE2SHINE SOLUTIONS LLP

R8, KRISHNA VIHAR, ROAD NO. 19, V.K.I AREA  
JAIPUR, RAJASTHAN  
M.NO. 7727833727, 8560015489

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